

CLAIMS

1. A heat-pipe type heat-sink structure, said structure comprises:

a heat conducting part with a plurality of heat-sinking fins thereon, and with a through hole, said through hole is provided on two ends thereof with two plug holes with larger diameters, said through hole and said plug holes have therebetween shoulders; and

two plugs, the outer diameter of each of said plugs is larger than that of either of said plug holes, said plugs are coated with tin grease layers; when said plugs are tightly fitted and pressed into said plug holes, said shoulders deform by being subjected to pressure, said through hole forms a sealed space and is heated after then to make said tin grease layers on said plugs be melted and then cooled again to tightly connect with said plug holes to form a heat-pipe structure.

2. The heat-pipe type heat-sink structure as in claim 1, wherein:

said plugs are provided on outer peripheries of each of them with one or more than one annular groove forming a pressure draining area for receiving gas and flocks generated during process of pressing.

3. A sealing method for a heat-pipe type heat sink, said method comprises the following steps:

25 1) a plurality of heat-sinking fins are provided on said

heat conducting part, said heat conducting part is provided centrally of a through hole thereof and on two ends of said through hole plug holes with larger diameters, said through hole and said plug holes have therebetween shoulders;

5 2) two plugs with larger diameters are tightly fitted and pressed into said plug holes, when said plugs are pressed into said plug holes, said shoulders in said plug holes deform; said plugs are provided on outer peripheries of each of them with annular grooves forming pressure draining areas, and are coated
10 with tin grease layers;

3) said tin grease layers on said plugs are heated to form a phenomenon of melting, said tin grease layers melted then are cooled again, thus said heat conducting part acquires an object of sealing.

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